mertaş
water technology

MCR
WATER TREATMENT SYSTEMS

newAge

neoflow

KEYPLUS

since 1975
ten beri

BQR

ANSI-RAB QMS ACCREDITED

ISO 9001:2000

INDEPENDENT EUROPEAN CERTIFICATION
ISO 9001
REGISTERED FIRM

UKAS QUALITY MANAGEMENT
054

Water Quality Association
MEMBER

www.suaritma.com
www.watertechnology.info

ABOUT US

general

The company was established under the name Remka in 1974 and was renamed as Mertas on February 2, 1975. Since then Mertas is specialized in water treatment and is named as the admiral ship of the sector in Turkey today. Mertas delivers, the below mentioned raw water treatment and purification systems and the components and accessories employed for them.

certifications

Operating under ISO 9001:2000 Quality Management System Standards and as a member of Water Quality Association rapid expansion of the company to overseas is underway.

clients

Mertas has been serving the Water Treatment Sector as a manufacturer and as the exclusive distributor of the European and American companies since 1974, and has been serving the hotels, hospitals, factories, holiday villages, apartments and flats and all the others along with the sector's other firms in accordance with their problems and their needs. Now, Mertas is also a major supplier to many water treatment firms.

innovation

Mertas is driven by innovation and many new products are launched to the market in very short intervals. As the first producer of salt tablets and the first installer of many new types of water treatment systems like the reverse osmosis system or the purification system for dialysis centres, Mertas is playing an initiative role for the market.

OUR MISSION

Our mission is to provide high quality and cost-effective solutions according to the consumer's needs and provide the optimal product mix for the small and medium sized players of the industry to keep our source of life, water, clean.

OUR VISION

We aim to be named among the leading water technology manufacturers of Eurasia, as we have done it in Turkey.

OUR VALUES

Creativity and Innovation

Creativity is essentially needed to advance. Employees are encouraged to explore the literature to innovate.

Consistency and Integrity

What is said and what is done has to coincide. This is valid for both Mertas and its partners.

Flexibility

Management of contingencies is essential.

Customer Orientation

Customer needs and benefits shape our path.

Quality

All services and products have to carry the quality component.

Cost Management

Expenses have to be engineered, waste is to be minimized.

Learning

Whatever we learn is dispersed to entire organization. Recurrence of faults are avoided, achievements are encouraged to be repeated.

locations

The company operates in two production sites in Ankara, and one in Istanbul. Mertas' long experience of the industry has been available to non-Turkey companies for the last decade especially after the MCR Water Treatment Systems was established in Istanbul Trakya Free Trade Zone. Very little formalities of the Free Zone and geographical proximity of Istanbul and many transportation alternatives eases the reach of non-Turkish firms to our large range of products.

Certificate of Registration

to

ISO 9001:2000

MERTAS SU ARITMA FILTRASYON VE MEDIKAL SISTEMLER SAN.TIC.LTD.STI.

Gersan sanayi Sitesi 655 Sokak No:8 Ergazi
ANKARA / TÜRKIYE

The Quality Management System of this company was audited by BestCERT Quality Registrars Limited and found to be compliant with the requirements of ISO 9001:2000.

Scope of Registration: IAF 18 Manufacturing, mounting and marketing of all kinds of water purificators, ion converters, ultra pure water, reverse osmosis systems' apparatus and equipments and filtration, cartridge filters, in-line disinfection filters' apparatus and equipments.

Issue Date: January 9, 2004
Expiration Date Jaunary 9, 2007

Certificate # TK2003-075

Sandra Tokola

Authorized Signature for BestCERT Quality Registrars Ltd
Issued at 55 Lake St., Suite 240, Gardner, MA 01440 USA
January 12, 2004

BQR

ANSI-RAB QMS ACCREDITED

RABAccreditation# 01011998

Cert ISO 9000/2000 Rev 6-1-2003

Certificate of Registration

This is to certify that:

MCR SU ARITMA SİSTEMLERİ M.REŞAT ÖNERCİ
İSTANBUL TRAKYA SERBEST Bölgesi Çatalca
İSTANBUL/TÜRKİYE

Has been assessed by Independent European Certification Limited in respect of their Quality Management Systems and found to comply with:

BS EN ISO 9001:2000

Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times.

Certification Scope:

Distribution, Import and Export of Equipment for Water Purification, Filtration and Disinfection

Date of First Issue
29th November 2003

Valid Until:
29th November 2006

Date of Revision
29th November 2003

Certificate Number: 902004

EAC Number: 29

W. E. Gabbett

Independent European Certification Limited

Lack of fulfilment of conditions as set out in scheme rules may render this certificate invalid. The use of the accreditation mark indicates accreditation in respect of the activities covered by the accreditation.

UKAS QUALITY MANAGEMENT
054

This certificate remains the property of Independent European Certification Limited

2004

MEMBER

Water Quality ASSOCIATION

Certificate of Membership

MERTAS WATER TREATMENT AND FILTERS LTD.

HAVING CLEARLY EVIDENCED SINCERE INTEREST

IN THE PROGRESS AND THE DEVELOPMENT OF WATER

QUALITY FOR ALL MANKIND YOU ARE HEREBY

ELECTED TO MEMBERSHIP WITH FULL PRIVILEGES IN

WATER QUALITY ASSOCIATION

Peter J Censky

PETER J. CENSKY
EXECUTIVE DIRECTOR

MERTAŞ DELIVERY PROGRAMME

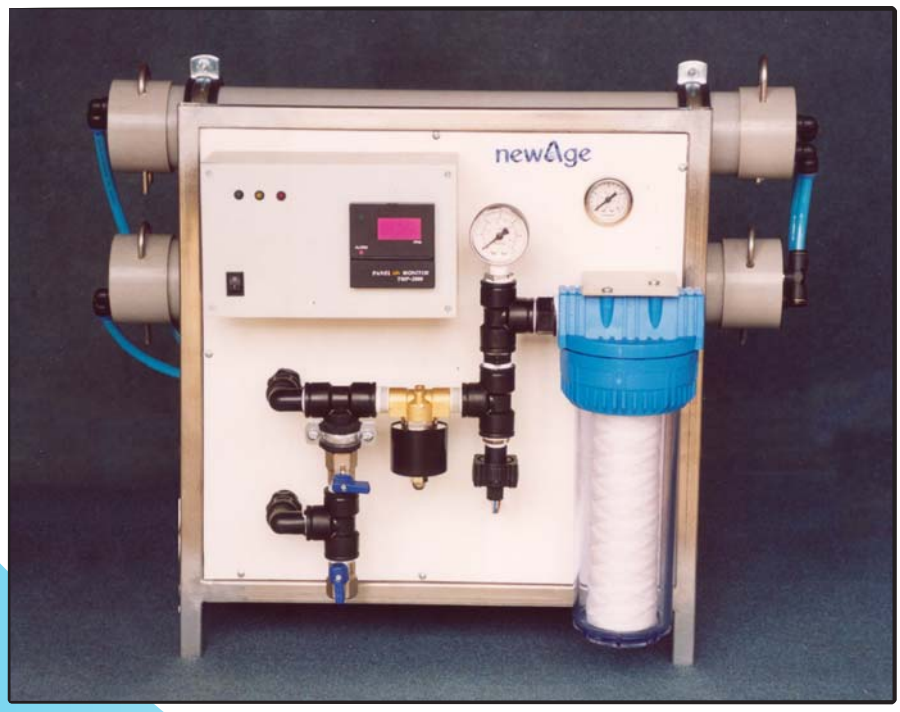
PAGE	DESCRIPTION	M	A	P	D
7	**CATEGORY: REVERSE OSMOSIS**				
7	newAge Osmotica Eco Economical R.O. Water Purification Systems	M		P	D
9	newAge Osmotica Plus Premium R.O. Water Purification Systems	M		P	D
11	newAge Osmotica Plus Industrial R.O. Water Purification Systems	M		P	D
13	Hydranautics TFC Reverse Osmosis Membranes				D
15	neoflow R.O. Pressure Vessels	M			D
17	newAge Osmotica Home Domestic R.O. Drinking Water Systems	M			D
19	**CATEGORY: ANALYSIS**				
19	neoflow HM water analysis Instruments, R.O. Controllers and Demo Devices				D
21	**CATEGORY: SOFTENERS**				
21	newAge SC Series Cabinet Softeners		A	P	D
23	newAge SS Series Single Softeners		A	P	D
25	newAge SD Series Duplex Softeners		A	P	D
27	**CATEGORY: FILTRATION**				
27	newAge Full Automatic Filtration Systems		A	P	D
	newAge FAC Series Full Automatic Activated Carbon Filters		A	P	D
	newAge FMM Series Full Automatic Sediment Filters		A	P	D
	newAge FIR Series Full Automatic Deferrization Filters		A	P	D
29	neoflow Self-Cleaning Filters				D
31	neoflow Polypropylene Wound Filter Cartridges	M			D
33	neoflow Domestic Filter Cartridges	M			D
35	neoflow Filter Housings				D
37	**CATEGORY: STERILIZATION**				
37	newAge Saturn UV Sterilization Units	M		P	D
39	**CATEGORY: DEIONIZATION**				
39	newAge DI MAN Manual Deionization Units	M			D
41	**CATEGORY: MEDICAL TREATMENT**				
41	newAge Osmotica DIA Water Purification Systems for Hemodialysis	M	A	P	D
43	**CATEGORY: LABORATORY TREATMENT**				
43	newAge LAB PURE Pure Water Systems for Autoanalyzers	M		P	D
45	newAge LAB PURE COMBI All-Inside Pure Water Systems for Autoanalyzers	M		P	D
47	newAge LAB MB and UPW	M		P	D
	newAge MB Series Lab Type Mixed Bed Units		A	P	D
	newAge UPW I Manual Ultra Pure Water Unit	M		P	D
	TKA UPW Automatic Ultra Pure Water Unit			P	D

* **M**: MANUFACTURE; **A**: ASSEMBLE; **P**: PROJECT DESIGN; **D**: DISTRIBUTION

REVERSE OSMOSIS

newAge osmotica ECO

ECONOMICAL REVERSE OSMOSIS WATER PURIFICATION SYSTEMS



for commercial and light industrial use

REVERSE OSMOSIS WATER PURIFICATION SYSTEMS

REVERSE OSMOSIS

newAge osmotica ECO

reverseosmosis

The enviromentally friendly technology for desalination of tap water, process water, well water, brackish water and sea water.

newAge Osmotica Eco presents you the most economical pure water among the other reverse osmosis systems.

advantages

Compared to conventional methods of pure water production, reverse osmosis technology shows major advantages:

* No chemicals for regeneration.
* No neutralisation of waste water.
* Low space requirement.
* Low operating cost.
* Low demand for maintenance.
* Simple operation.

applications

RO sytems are especially used for continious production of pure water when economical operation is required. i.e.

* Drinking or process water out of wellwater
* Denitrification of drinking water
* Water for food and beverage industry
* Process water for electronic and semiconductor industry
* Production water for pharmaceutical and cosmetics industry
* Steam and hot water production
* Desalination of sea water

Investment outflow is very low for Osmotica Eco.

standardfeatures

Inlet water sensor, Inlet solenoid valve, Rotary pump, Concentrate regulating valve, Pressure regulating valve, Chemical membrane rinse, Audial and visual alarms, 2 manometers, Float automation, 10" special pre-filter, SS-304 stainless steel frame, Fascinating front panel, Digital TDS-meter, Available function for setting critical values, Hydranautics high performance RO membranes, PVC pressure vessels, high recovery, min 98% rejection

PRODUCT #	MODEL	CAPACITY (L/H)	POWER REQ. (kW)	ELEMENT TYPE	# OF ELEMENTS
173 000 050	newAge OE 50	50	0.30	ESPA1 2521	1
173 000 100	newAge OE 100	100	0.30	ESPA1 2521	2
173 000 150	newAge OE 150	150	0.30	ESPA1 2521	3
173 000 200	newAge OE 200	200	0.55	ESPA1 2540	2
173 000 300	newAge OE 300	300	0.55	ESPA1 2540	3
173 000 400	newAge OE 400	400	0.55	ESPA1 2540	4
173 000 600	newAge OE 600	600	0.75	ESPA1 4040	2
173 000 900	newAge OE 900	900	1.5	ESPA1 4040	3
173 001 200	newAge OE 1200	1200	2.2	ESPA1 4040	4
173 001 500	newAge OE 1500	1500	2.2	ESPA1 4040	5
173 001 800	newAge OE 1800	1800	3.0	ESPA1 4040	6

optional

Stainless Steel Pressure Vessels
Fiberglass Pressure Vessels
PLC control panel
Flowmeters

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ISO 9001:2000

Water Quality Association MEMBER

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REVERSE OSMOSIS

newAge osmotica PLUS

MICROPROCESSOR CONTROLLED PREMIUM REVERSE OSMOSIS WATER PURIFICATION SYSTEMS

for commercial and light industrial use

REVERSE OSMOSIS WATER PURIFICATION SYSTEMS

REVERSE OSMOSIS

reverse osmosis

The enviromentally friendly technology for desalination of tap water, process water, well water, brackish water and sea water.

newAge Osmotica Plus is the representative of state-of-the-art of the reverse osmosis systems.

advantages

Compared to conventional methods of pure water production, reverse osmosis technology shows major advantages:

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* Simple operation.

applications

RO sytems are especially used for continious production of pure water when economical operation is required. i.e.

* Drinking or process water out of wellwater
* Dialysis Pure Water Systems
* Denitrification of drinking water
* Water for food and beverage industry
* Process water for electronic and semiconductor industry
* Production water for pharmaceutical and cosmetics industry
* Steam and hot water production
* Desalination of sea water

High energy saving is a competence of Osmotica Plus.

standard features

Full automatic PLC Control, Digital control panel with many programming alternatives, Digital conductivitymeter with temperature compensation, Digital thermometer, Digital controls to keep water quality within a certain range, 1 set of manometers, SS-304 stainless steel frame, Stainless Steel High Pressure Pump, Dry protection equipment for water starving pump, Series of regulating valve, 10" special prefilter, Chemical membrane cleaning, Chemical membrane rinse, Special front table, PVC membrane housings, Hydranautics high performance membranes, Automatic pressure control, Pressure regulating valve, Concentrate regulating valve, Solenoid valve, Flowmeters for permeate concentrate and concentrate recirculation, Digital follow-up of every operation, %50-80 recovery, min %98 rejection

programming alternatives

⇒ Automatic stopping of the system providing critical values are off.
⇒ Password authorization for preventing unauthorized access
⇒ Have the system stop in a short time in case of inadequate pressure
⇒ Setting critical values for conductivity
⇒ Have the discontinious rinsing done when the tank is full
⇒ Setting the concentrate washing interval
⇒ Setting the types of problems to be declared
⇒ Viewing the settings and outcomes through the LCD screen
⇒ And much more...

PRODUCT #	MODEL	CAPACITY (L/H)	Power Req. (kW)	ELEMENT TYPE	# OF ELEMENTS
175 000 050	newAge OP 50	50	0.30	ESPA1 2521	1
175 000 100	newAge OP 100	100	0.30	ESPA1 2521	2
175 000 150	newAge OP 150	150	0.30	ESPA1 2521	3
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175 001 500	newAge OP 1500	1500	2.2	ESPA1 4040	5
175 001 800	newAge OP 1800	1800	3.0	ESPA1 4040	6

encased plus

newAge Osmotica Plus series are also available placed in a charming cabinet. It stays as if a furniture and can be moved easily on demand. For ordering change the last digit of the standard unit's product number to 1. For example to order encased version of newAge OP 600, call for 175 000 601. Encased systems are available up to the capacity of 1200 l/h.

optional printer

optional

Stainless Steel/Fiberglass Pressure Vessels
Conductivity metering of inlet water
Printer

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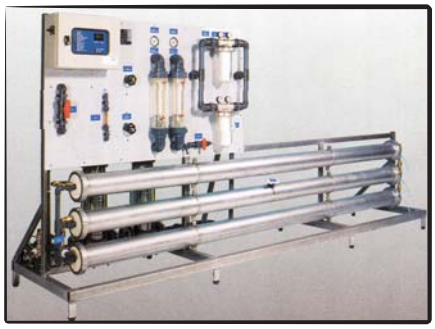
REVERSE OSMOSIS

newAge osmotica PLUS

MICROPROCESSOR CONTROLLED PREMIUM REVERSE OSMOSIS WATER PURIFICATION SYSTEMS FOR INDUSTRIAL APPLICATIONS



for industrial use

REVERSE OSMOSIS WATER PURIFICATION SYSTEMS

REVERSE OSMOSIS

reverseosmosis

The enviromentally friendly technology for desalination of tap water, process water, well water, brackish water and sea water.

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* Steam and hot water production
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standardfeatures

Full automatic PLC Control, Digital control panel with many programming alternatives, Digital conductivitymeter with temperature compensation, Digital thermometer, Digital controls to keep water quality within a certain range, 1 set of manometers, SS-304 stainless steel frame, Stainless Steel High Pressure Pump, Dry protection equipment for water starving pump, Series of regulating valve, 10" special prefilter, Chemical membrane cleaning, Chemical membrane rinse, Special front table, PVC membrane housings, Hydranautics high performance membranes, Automatic pressure control, Pressure regulating valve, Concentrate regulating valve, Solenoid valve, Flowmeters for permeate concentrate and concentrate recirculation, Digital follow-up of every operation, %50-80 recovery, min %98 rejection

optional

* S.S. Pressure Vessels
* Fiberglass Pressure Vessels
* Conductivity metering of inlet water
* SCADA / Remote Monitoring through GSM, LAN or Dial-up. PC connection through RS 232.
* Printer

PRODUCT #	MODEL	CAPACITY (L/H)	POWER REQ. (KW)	DIMENSIONS*
175 002 000	newAge OP 2000	2000	3	180x250x75
175 002 500	newAge OP 2500	2500	4	180x250x75
175 003 000	newAge OP 3000	3000	5.5	180x250x75
175 003 500	newAge OP 3500	3500	5.5	180x250x75
175 004 000	newAge OP 4000	4000	5.5	180x250x75
175 005 000	newAge OP 5000	5000	7.5	180x350x75
175 006 000	newAge OP 6000	6000	7.5	180x350x75
175 007 000	newAge OP 7000	7000	11	180x450x100
175 008 000	newAge OP 8000	8000	15	180x450x100
175 010 000	newAge OP 10000	10000	15	180x450x100
175 012 000	newAge OP 12000	12000	15	180x450x100
175 015 000	newAge OP 15000	15000	15	180x550x100
175 018 000	newAge OP 18000	18000	15	180x550x100
175 020 000	newAge OP 20000	20000	18.5	180x550x100
175 025 000	newAge OP 25000	25000	25	180x550x100
175 030 000	newAge OP 30000	30000	30	180x550x100
175 035 000	newAge OP 35000	35000	30	180x550x100
175 040 000	newAge OP 40000	40000	44	180x650x100
175 050 000	newAge OP 50000	50000	44	180x650x100

* Height x Width x Depth in cm

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ISO 9001:2000

Water Quality Association MEMBER

since 1975 ten beri

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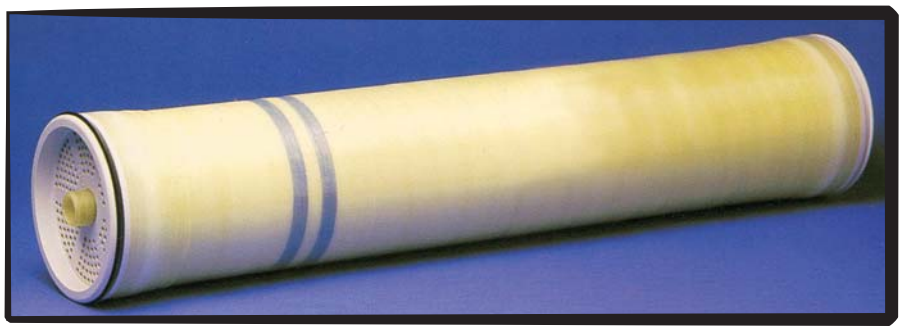
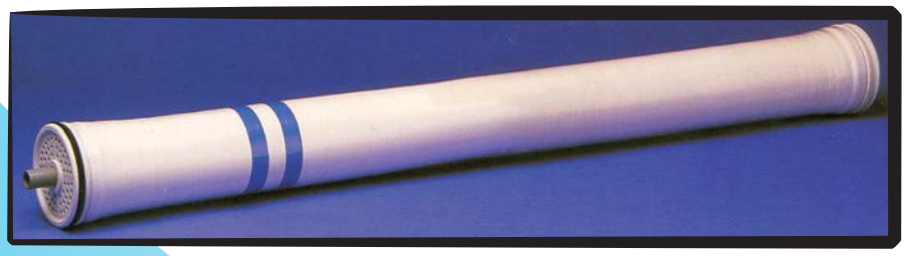
HYDRANAUTICS

High Performance Membrane Products

REVERSE OSMOSIS

THIN FILM COMPOSITE HIGH PERFORMANCE REVERSE OSMOSIS MEMBRANES





for residential, commercial and industrial use

REVERSE OSMOSIS MEMBRANES

REVERSE OSMOSIS

HYDRANAUTICS
High Performance Membrane Products

about ESPA – saveenergy

The growing family of ESPA (Energy-Saving Polyamide) RO membranes continues to meet the ever-increasing demands of the water treatment industry. Users worldwide have made ESPA their first choice for high productivity and salt rejection.

ESPA1, ESPA2, and ESPA3 have long been the industry leaders, with the highest productivity and rejection available, producing up to 14,000 GPD.

Hydranautics' ESPA4 low energy membrane delivers even greater productivity and rejection, now at operating pressures of less than 100 psi. Enjoy up to 250% greater productivity per membrane area compared with conventional polyamide membranes, at the lowest cost per gallon produced.

There's an ESPA solution to fit even the most demanding water treatment needs now with greater performance, productivity and savings.

test conditions

NaCl Solution, PPM*	1500
Applied Pressure**, psig (MPa)	150 psi (1.05)
Operating Temperature, °C	25°C
Permeate Recovery	15%
pH Range	6.5-7.0

* ESPA4 NaCl Solution tested at 500 PPM
** ESPA4 tested at 100 psig

application data

Maximum Applied Pressure, psig (MPa)	600 (4.14)
Maximum Feed Flow, GPM (m^3/h)	4040-16(3.6), 8-inch-75(17.0)
Maximum Operating Temperature, °C	45°C
Feedwater pH Range	3.0-10.0
Maximum Feedwater Turbidity, NTU	1.0
Maximum Feedwater SDI (15 mins)	5.0
Maximum Chlorine Concentration, PPM	<0.1
Maximum Ratio of Concentrate to Permeate Flow for Any Element	5:1
Maximum Pressure Drop for Each Element, psig	10

Product #	Element Type	Min. Salt Rejection (%)	Nominal Salt Rejection (%)	Permeate Flow (GPD)	Permeate Flow (m^3/day)
381 11 8040	ESPA1	99.0	99.3	12,000	45.4
381 11 4040	ESPA1-4040	99.0	99.3	2,600	9.8
381 12 8040	ESPA2	99.5	99.6	9,000	34.1
381 12 4040	ESPA2-4040	99.4	99.6	1,900	7.2
381 13 8040	ESPA3	98.0	98.5	14,000	53.0
381 13 4040	ESPA3-4040	98.0	98.5	3,000	11.4
381 14 8040	ESPA4*	99.0	99.2	12,000	45.4
381 14 4040	ESPA4-4040*	99.0	99.2	2,500	9.4
381 11 2012	ESPA1-2012	96.0	97.5	60	0.23
381 11 2514	ESPA1-2514	98.0	98.5	175	0.66
381 11 2521	ESPA1-2521	98.0	98.5	350	1.32
381 11 2540	ESPA1-2540	98.0	99.0	750	2.83
381 11 4014	ESPA1-4014	98.0	99.0	500	1.89
381 11 4021	ESPA1-4021	98.0	99.0	1000	3.78

about SWC – desalinating sea water

Hydranautics' SWC (Seawater Composite) membrane is currently in use on five continents and countless island communities around the globe. With more installed capacity than any other competitor, the SWC membrane provides unparalleled and consistent operating performance.

SWC seawater desalination membranes range from high productivity 8-inch and 4-inch elements to small shipboard models, all offering the highest levels of salt rejection and a consistently pure end product. Membrane formulations are designed to accommodate varying levels of seawater salinities worldwide with reliable field-proven performance.

There's an SWC solution to fit all your most demanding seawater treatment needs. Call today to find out why SWC is the world leader in desalination - only from Hydranautics!

test conditions

NaCl Solution, PPM*	3200
Applied Pressure**, psig (MPa)	800 psi (5.5)
Operating Temperature, °C	25°C
Permeate Recovery	10%
pH Range	6.5-7.0

application data

Maximum Applied Pressure, psig (MPa)	1200 (8.27)
Maximum Feed Flow, GPM (m^3/h)	4040-16(3.6), 8-inch-75(17.0)
Maximum Operating Temperature, °C	45°C
Feedwater pH Range	3.0-10.0
Maximum Feedwater Turbidity, NTU	1.0
Maximum Feedwater SDI (15 mins)	5.0
Maximum Chlorine Concentration, PPM	<0.1
Maximum Ratio of Concentrate to Permeate Flow for Any Element	5:1
Maximum Pressure Drop for Each Element, psig	10

Product #	Element Type	Min. Salt Rejection (%)	Nominal Salt Rejection (%)	Permeate Flow (GPD)	Permeate Flow (m^3/day)
381 52 8040	SWC2	99.0	99.2	6,200	23.5
381 53 8040	SWC3+	99.7	99.8	7,000	26.5
381 54 8040	SWC4+	99.7	99.8	6,500	24.6

mertaş
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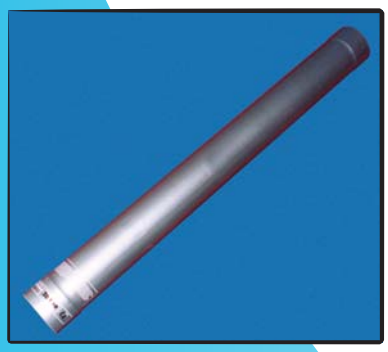
neoflow

R.O. pressure vessels

REVERSE OSMOSIS

PRESSURE VESSELS FOR REVERSE OSMOSIS SYSTEMS
PVC VESSELS
STAINLESS STEEL VESSELS
COMPOSITE VESSELS



for residential, commercial and industrial use

REVERSE OSMOSIS PRESSURE VESSELS

REVERSE OSMOSIS

neoflow
R.O. pressure vessels

about

neoflow and Bekaert membrane vessels are produced according to the latest technologic developments. We offer you five different sets of pressure vessels: PVC vessels, u-pin stainless steel vessels, Osmonics*-type stainless steel pressure vessels, neoflow composite pressure vessels and Bekaert composite pressure vessels.

neoflow PVC pressure vessels

These vessels are the leading PVC pressure vessels are the best in Europe competing with the competitors from the States. All of them are end-ported and and supplied with the saddles and the U-pins.

Product #	Model	Diameter	max. Operating Pressure	# of elements
371 2014 20	neoflow PVC 2514	2.5"	20 bar	1
371 2021 20	neoflow PVC 2521	2.5"	20 bar	1
371 2040 20	neoflow PVC 2540	2.5"	20 bar	1
371 4014 20	neoflow PVC 4014	4"	20 bar	1
371 4021 20	neoflow PVC 4021	4"	20 bar	1
371 4040 20	neoflow PVC 4040	4"	20 bar	1
371 4080 20	neoflow PVC 4080	4"	20 bar	2
371 4120 20	neoflow PVC 40120	4"	20 bar	3
371 4160 20	neoflow PVC 40160	4"	20 bar	4
371 4200 20	neoflow PVC 40200	4"	20 bar	5

neoflow SS pressure vessels - U-PIN

neoflow U-Pin stainless steel vessels are of highest quality supplied with the saddles and U-pins and all of them are end-ported. AISI 304 or 316 available.

Product #	Model	Diameter	max. Operating Pressure	# of elements
372 4040 20	neoflow SSU 4040	4"	20 bar	1
372 4080 20	neoflow SSU 4080	4"	20 bar	2
372 4120 20	neoflow SSU 40120	4"	20 bar	3
372 4160 20	neoflow SSU 40160	4"	20 bar	4
372 4200 20	neoflow SSU 40200	4"	20 bar	5

neoflow SS pressure vessels - OSMONICS*-TYPE

neoflow Osmonics*-type pressure vessels are supplied with stainless steel saddles and straps. All of them are end-ported. AISI 304 or 316 available.

Product #	Model	Diameter	max. Operating Pressure	# of elements
373 4040 20	neoflow SSO 4040	4"	20 bar	1
373 4080 20	neoflow SSO 4080	4"	20 bar	2
373 4120 20	neoflow SSO 40120	4"	20 bar	3
373 4160 20	neoflow SSO 40160	4"	20 bar	4
373 4200 20	neoflow SSO 40200	4"	20 bar	5

neoflow composite pressure vessels

neoflow composite pressure vessels are supplied with saddles and straps. They are economic and available for your commercial applications.

Product #	Model	Diameter	max. Operating Pressure	# of elements
374 4014 20	neoflow COM 4014	4"	20 bar	1
374 4021 20	neoflow COM 4021	4"	20 bar	1
374 4040 20	neoflow COM 4040	4"	20 bar	1
374 4080 20	neoflow COM 4080	4"	20 bar	2

BEKAERT composite pressure vessels

Bekaert is the leading manufacturer of composite pressure vessels worldwide and offers a wide selection for your reverse osmosis applications. Please refer to the following chart to see the availability of a product you require, and see how to order.

BEKAERT
Progressive Composites

Port type
5: end-ports
6: side-ports
7: multiple ports

Max. Pressure Resistance
18/28/42/72/85 bar

3 7 [ ] [ ] [ ] [ ]

Diameter
2: 2.5 inch
4: 4 inch
8: 8 inch

Length
014 to 240: 14 inch to 240 inch

Example: For a Bekaert cmposite pressure vessel 4" diameter, which can hold 3 elements (120 inch) and resist up to 28 bar call for 476 4 120 28.

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newAge osmotica HOME

REVERSE OSMOSIS

REVERSE OSMOSIS WATER PURIFICATION SYSTEMS FOR DRINKING WATER

for residential and commercial use

DRINKING WATER SYSTEMS

REVERSE OSMOSIS

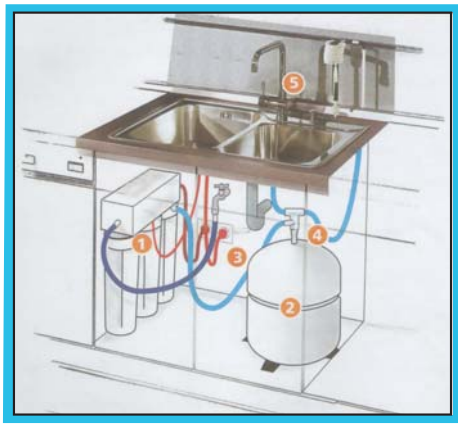
The ultimate source of pure water for home and small office use. newAge Osmotica Home series not only remove the majority of the particles (min. 96%) in the water, but also get rid of taste and odor. The output water from newAge Osmotica purification systems is the best to drink or to cook a cup of tea or to wash your vegetables. This unit is a compact system which consists of 5 distinct stages of treatment providing you the taste of purity. The unit is easily connected to the piping system at home, and the chrome faucet (supplied with the unit) of the system lets you fill your glass with purified water as easy as you used to do with your conventional taps. The pretreatment units are of the high quality Neoflow and the purifying membranes are either world-quality Hydranautics, Filmtec or CSM. No need to use chemicals!

standardequipment

10" 5 micron PP sediment filter, 10" GAC filter, 10" 1 micron PP sediment filter, TFC RO membrane, In-line GAC filter, Long reach chrome faucet, Storage tank, Auto-shut-off valve, Pressure pump, Hose set, User's manual

PRODUCT #	MODEL	CAPACITY (L/DAY)	BOOSTER PUMP	DIGITAL WATER QUALITY MONITOR
171 000 050	newAge OH-50	200		
171 001 050	newAge OH 50 P	200	■	
171 010 050	newAge OH 50 D	200		■
171 011 050	newAge OH 50 PD	200	■	■
171 000 080	newAge OH-80	300		
171 001 080	newAge OH 80 P	300	■	
171 010 080	newAge OH 80 D	300		■
171 011 080	newAge OH 80 PD	300	■	■
171 000 100	newAge OH-100	400		
171 001 100	newAge OH 100 P	400	■	
171 010 100	newAge OH 100 D	400		■
171 011 100	newAge OH 100 PD	400	■	■

* Option: ultraviolet sterilization



installation

1 The Reverse Osmosis Unit

2 Pressure Tank

3 Electricity Connection

4 Hose Connection

5 Faucet

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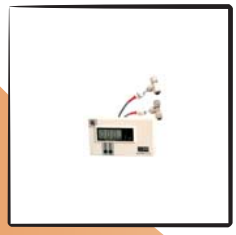
neoflow
water instruments

ANALYSIS

WATER QUALITY CONTROLLERS
HANDHELD TDS METERS



for medical, commercial and industrial use

WATER ANALYSIS INSTRUMENTS

ANALYSIS

neoflow
water instruments

TDS / conductivity / pH controllers

features

Continuously measures TDS, conductivity and/or pH levels for high output systems.
Controls feed water and product water lines (200 series only).
An alarm sounds if the TDS level rises above the user-set level.
Automatic shut-off a valve or pump.
Large, bright display.
Installs easily in minutes.

specifications

Range: 0 - 999 ppm
Accuracy: +/- 2%
Resolution: 1 ppm
Temperature Compensation: Automatic within 1 - 65 C)
Calibration: Adjustable
Setting: Controlled by on-screen up/down buttons
Relay control: The start/stop valve or pump is activated when the reading is higher than the setting
Relay/Alarm Set-Point: 1 - 999 ppm
Alarm: Set by user; ring an be switched off (200 series has two alarms)
Display: Bright, 3- digit 5/8" LED display
Probes: Two 1/2" bushing, 3 meter shielded cable
Power Supply: AC 110V / AC 220V

Product #	Model	TDS	Conductivity	pH	Dual Lines	Dual Screens
601 001 100	PS 100	✓				
601 002 100	PC 100	✓	✓			
601 003 100	PA 100			✓		
601 001 200	PS 200	✓			✓	
601 002 200	PC 200	✓	✓		✓	
601 001 202	PS 202	✓			✓	✓
601 002 202	PC 202	✓	✓		✓	✓
601 003 202	PA 202	✓	✓	✓	✓	✓

in-linedual TDS meter

- Measures water flow at sources with in & out electrode probes.
- Auto-off function conserves battery power. The unit shuts off after 10 idle minutes.
- Comes equipped with T-fittings
- Product number: 601 000 001

handheld TDS meters

features

- Hold Function - Saves measurements for convenient reading and recording.
- Auto-of Function - Turns off meter after 10 minutes of non-use to conserve the batteries.
- Case - TDS-3 comes in a convenient protective case with a belt clip.
- Compactness - TDS-4 and TDS-5 are the smallest TDS meters on the market.

specifications

- Range: 0 - 9990 ppm
- Accuracy: +/- 2%
- ATC: Built-in sensor for Automatic Temperature Compensation of 1 to 50 C
- Calibration: Factory calibrated
- Power source: 2 x 1.5V batteries (button cell)
- Battery life: Over 1000 hours of continious use

Product #	Model	Height	Width	Depth	Weight	Thermometer
605 001 003	TDS-3	15.5 cm	3.1 cm	2.3 cm	74 g	
605 001 004	TDS-4	14.0 cm	2.3 cm	1.5 cm	32 g	
605 001 005	TDS-5	14.0 cm	2.3 cm	1.5 cm	32 g	BUILT-IN & DIGITAL

demonstration devices

- The precipitator provides an effective visual demonstration for displaying the differences between a customer's tap water and purified water.
- Folding electrode rods display the degree of TDS present by producing iron oxide in the water sample.

- The standard precipitator's product number: 605 000 001
- The precipitator with timer's product number: 605 000 002

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newAge soft CABINET

SOFTENING

CABINET SOFTENERS FOR HARDNESS REMOVAL

for residential and commercial use

WATER SOFTENING SYSTEMS

SOFTENING

newAge soft CABINET

about

The following water softening systems are equipped with central control valve and proportional mixing valve. The pressure vessels of highest quality are already installed in the cabinets: corrosion-resistant fiberglass with PE-Inliner containing high quality cation exchanger resin. The controlling valve is optional and may be selected among Fleck or the Aquasoft.

4 good reasons to own a softener

1. scale prevention

The dissolved scale deposits in the piping system and in household appliances, such as washing machine, dish washer or coffee machine. The result is narrower pipes and higher electricity consumption. As a result you have to replace the piping system. Should you have a softener your piping system and appliances will be kept scale free.

2. hygiene

A water softener will prove its virtue immediately by making rough hands, lustreless hair and hard laundry a matter of history, just like traces of scale on your shower, bath and sink. Clothes are cleaner and keep their softness and nice colors. You needn't use softening liquids anymore.

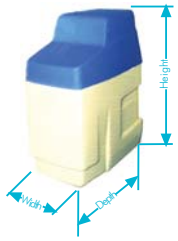
3. health

Your drinking water is just the way it is supposed to be: no scale. Fresh vegetables preserve their tasty colour, great scent and vitamin content. As scale on your hair makes it brittle and fragile and does not give colour any chance, removal of scale will leave you with healthy hair.

4. economy

As well as preventing significant costs such as replacement of piping system, the savings on soap and liquids are considerable. The soap will lather seriously better and rubbing and scrubbing are matter of past. Detergent consumption is reduced and no need to use softening liquids. Furthermore an enormous energy saving is a reality: a half inch layer of scale means 60% efficiency loss.

	newAge SC 8	newAge SC 15	newAge SC 20	newAge SC 25	newAge SC 30
Capacity (m^3x°dH)	32	40	80	100	120
Flow Rate (m^3/h)	0,80	1,00	1,20	1,40	1,60
Quantity of Resin (litre)	8	15	20	25	30
Salt Consumption (kg/reg.)	1,9	3,6	4,8	6,0	7,2
Water Consumption (m^3/reg.)	0,10	0,15	0,20	0,25	0,30
Salt Reserve (kg)	50	85	80	75	60
Height (mm)	680	1150	1150	1150	1150
Width (mm)	280	280	280	280	280
Depth (mm)	550	550	550	550	550
Connection	R 1"				
Operating Pressure	2-6 bar				
Ambient Temperature (max.)	40 °C				
Water Temperature (max.)	40 °C				
Electric Supply	220 V / 50 Hz				



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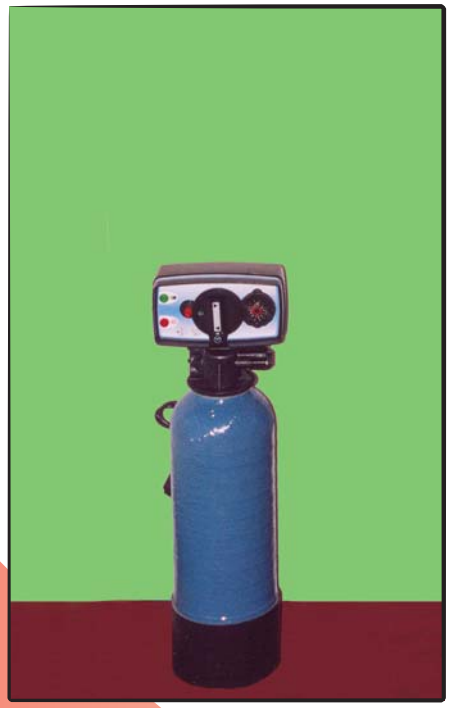
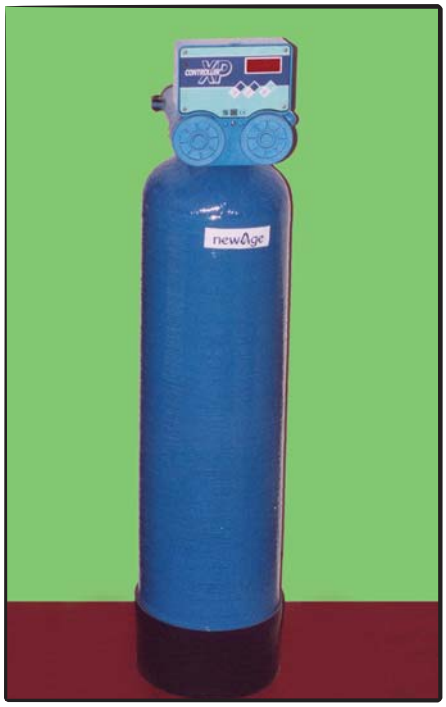
newAge soft SINGLE

SOFTENING

SINGLE SOFTENERS FOR HARDNESS REMOVAL





for commercial and industrial use

WATER SOFTENING SYSTEMS

SOFTENING

newAge soft SINGLE

about

The following water softening systems are equipped with central control valve and proportional mixing valve. The pressure vessels are of the highest quality, corrosion-resistant fiberglass with PE-Inliner containing high quality cation exchanger resin. The controlling valve is optional and may be selected among Fleck or the Aquasoft.

k 5600 or Aquasoft 1

	newAge SS 10	newAge SS 15	newAge SS 25	newAge SS 30	newAge SS 45	newAge SS 60
Capacity (m^3x°dH)	40	60	100	120	180	240
Flow Rate (m^3/h)	0.4	0.6	1.0	1.2	1.8	2.4
Quantity of Resin (litre)	10	15	25	30	45	60
Salt Consumption (kg/reg.)	2.4	3.6	6.0	7.2	10.8	14.4
Water Consumption (m^3/reg.)	0.11	0.16	0.25	0.30	0.45	0.60
Brine Tank (litre)	100	100	100	100	200	200
Height (mm)	1110	1110	1110	1110	1600	1450
Width (mm)	620	660	690	720	820	860
Depth (mm)	440	440	440	440	540	540
Connection	R 1"					
Operating Pressure	2-6 bar					
Ambient Temperature (max.)	40 °C					
Water Temperature (max.)	40 °C					
Electric Supply	220 V / 50 Hz					

th Fleck 2750 or Aquasoft 1

	newAge SS 30	newAge SS 45	newAge SS 60	newAge SS 80	newAge SS 110
Capacity (m^3x°dH)	120	180	240	320	440
Flow Rate (m^3/h)	1,2	1,8	2,4	3,2	4,4
Quantity of Resin (litre)	30	45	60	80	110
Salt Consumption (kg/reg.)	7.2	10.8	14.4	19.2	26.4
Water Consumption (m^3/reg.)	0.30	0.45	0.60	0.80	1.10
Brine Tank (litre)	100	200	200	200	300
Height (mm)	1300	1650	1650	1650	2000
Width (mm)	790	800	860	880	1150
Depth (mm)	500	600	600	600	800
Connection	R 1"				
Operating Pressure	2-6 bar				
Ambient Temperature (max.)	40 °C				
Water Temperature (max.)	40 °C				
Electric Supply	220 V / 50 Hz				

with Fleck 2850

	newAge SS 110	newAge SS 150	newAge SS 200	newAge SS 250	newAge SS 300
Capacity (m^3x°dH)	440	600	800	1000	1200
Flow Rate (m^3/h)	4.4	6.0	8.0	8.5	9.5
Quantity of Resin (litre)	110	150	200	250	300
Salt Consumption (kg/reg.)	26.4	36	48	60	72
Water Consumption (m^3/reg.)	1.1	1.5	2.0	2.5	3.0
Brine Tank (litre)	300	300	500	500	800
Height (mm)	2000	2000	2000	2000	2200
Width (mm)	1150	1200	1400	1500	1800
Depth (mm)	800	800	900	900	1200
Connection	R 1 1/2"				
Operating Pressure	2-6 bar				
Ambient Temperature (max.)	40 °C				
Water Temperature (max.)	40 °C				
Electric Supply	220 V / 50 Hz				

higher capacities are available, please contact us

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newAge soft DUPLEX

SOFTENING

DUPLEX SOFTENERS FOR HARDNESS REMOVAL

for commercial and industrial use

WATER SOFTENING SYSTEMS

SOFTENING

newAge soft DUPLEX

about

Water softening system, duplex-construction with separate salt stock container. System is quantity-controlled with Fleck central controlling valve types 8500, 9000 or 9500. Pressure vessel is of corrosion-resistant fiberglass with polyethylene inliner including cation exchanger resin of highest quality. When ordering please indicate the scale of water meter.

why duplex?

In case you need continious water supply, your single choice is to use a duplex unit. A single unit always has to stop giving out softened water when regenerating itself.

with Fleck 8500 SE

	newAge SD 10	newAge SD 15	newAge SD 25	newAge SD 30	newAge SD 45
Capacity (m^3x°dH)	40	60	100	120	180
Flow Rate (m^3/h)	0.4	0.6	1.0	1.2	1.8
Quantity of Resin (litre/vessel)	10	15	25	30	45
Salt Consumption (kg/reg.)	2.4	3.6	6.0	7.2	10.8
Water Consumption (m^3/reg.)	0.11	0.16	0.25	0.30	0.45
Brine Tank (litre)	100	100	100	100	200
Height (mm)	1200	1200	1200	1200	1650
Width (mm)	1100	1100	1100	1100	1300
Depth (mm)	500	500	500	500	600
Connection	R 1"				
Operating Pressure	2-6 bar				
Ambient Temperature (max.)	40 °C				
Water Temperature (max.)	40 °C				
Electric Supply	220 V / 50 Hz				

with Fleck 9000

	newAge SD 30	newAge SD 45	newAge SD 60	newAge SD 80	newAge SD 110
Capacity (m^3x°dH)	120	180	240	320	440
Flow Rate (m^3/h)	1,2	1,8	2,4	3,2	4,4
Quantity of Resin (litre/vessel)	30	45	60	80	110
Salt Consumption (kg/reg.)	7.2	10.8	14.4	19.2	26.4
Water Consumption (m^3/reg.)	0.30	0.45	0.60	0.80	1.10
Brine Tank (litre)	100	200	200	200	300
Height (mm)	1200	1650	1600	1650	2000
Width (mm)	1100	1300	1300	1300	1700
Depth (mm)	500	600	600	600	800
Connection	R 1"				
Operating Pressure	2-6 bar				
Ambient Temperature (max.)	40 °C				
Water Temperature (max.)	40 °C				
Electric Supply	220 V / 50 Hz				

with Fleck 9500

	newAge SD 65	newAge SD 110	newAge SD 150	newAge SD 200	newAge SD 250	newAge SD 300
Capacity (m^3x°dH)	260	440	600	800	1000	1200
Flow Rate (m^3/h)	2.6	4.4	6.0	8.0	8.5	9.5
Quantity of Resin (litre/vessel)	65	110	150	200	250	300
Salt Consumption (kg/reg.)	15.6	26.4	36	48	60	72
Water Consumption (m^3/reg.)	0.65	1.1	1.5	2.0	2.5	3.0
Brine Tank (litre)	300	300	300	500	500	800
Height (mm)	1700	2000	2000	2000	2000	2200
Width (mm)	1500	1800	1900	2000	2200	2500
Depth (mm)	600	800	800	900	900	1200
Connection	R 1 1/2"					
Operating Pressure	2-6 bar					
Ambient Temperature (max.)	40 °C					
Water Temperature (max.)	40 °C					
Electric Supply	220 V / 50 Hz					

higher capacities are available, please contact us

please ask for low regenerant consuming AMBERPACK systems

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newAge
filter

FILTRATION

ACTIVATED CARBON FILTERS
MULTIMEDIA SEDIMENT FILTERS
IRON AND MANGANESE REMOVING FILTERS

for commercial and industrial use
WATER FILTRATION SYSTEMS

FILTRATION

activated carbon filters – CHLORINE, ODOR AND TASTE REMOVAL

PRODUCT #	MODEL	FLOW RATE (M³/H) NOMINAL	FLOW RATE (M³/H) V = 30M/H	FILTER MEDIA (LT) ACTCARBON	FILTER MEDIA (LT) GRAVEL	CONN.(")	SPACE REQUIREMENTS (MM) DEPTH	SPACE REQUIREMENTS (MM) WIDTH	SPACE REQUIREMENTS (MM) HEIGHT
123 007 035	newAge FAC 735	0.4	0.6	15	5	1	677	178	1397
123 008 035	newAge FAC 835	0.6	1.0	18	5	1	704	204	1397
123 010 035	newAge FAC 1035	0.9	1.4	24	5	1	757	257	1397
123 010 054	newAge FAC 1054	1.1	1.7	30	10	1	757	257	1885
123 013 054	newAge FAC 1354	1.4	2.1	42	14	1	834	334	1885
123 014 065	newAge FAC 1465	1.8	2.7	80	18	1	869	369	2145
123 016 065	newAge FAC 1665	2.3	3.1	90	20	1	906	406	2148
123 018 065	newAge FAC 1865	3.1	4.6	150	25	1	970	470	2267
123 021 060	newAge FAC 2160	4.1	6.2	190	30	1	1052	552	2245
123 024 069	newAge FAC 2469	5.0	7.5	250	40	1 1/2	1110	610	2495
123 030 072	newAge FAC 3072	8.3	12.2	420	80	1 1/2	1270	770	2520
123 036 072	newAge FAC 3672	11.4	17.1	570	140	2	1427	927	2595
123 036 078	newAge FAC 3678	12.7	19.1	570	140	2	1427	927	2830
123 042 078	newAge FAC 4278	16.2	24.3	800	150	DN 65	1574	1074	2910
123 048 082	newAge FAC 4882	20.5	31.0	1100	200	DN 65	1726	1226	2943
123 055 120	newAge FAC 55120	30.0	45.0	1600	500	DN 65	1929	1429	3575

They remove organic matter, free chlorine, taste and odor from water. Organic matter, free chlorine, taste and odor are eliminated through absorption. The removal of mechanic impurities can easily be flushed up-flow. This way, the bed is backwashed enabling further operation. Replacement of filter media is necessary when no further can be implemented due to a clogged filter bed. Depending on the influent water quality, a replacement of filter media may be required in 1 to 3 years. We offer our customers a wide range of products from small residential units with replaceable cartridges to electronic units with automatic backwash feature.

multimedia filters – SEDIMENT REMOVAL

PRODUCT #	MODEL	FLOW RATE (M³/H) NOMINAL	FLOW RATE (M³/H) V = 30M/H	FILTER MEDIA (LT) ANTHRACITE	FILTER MEDIA (LT) GRAVEL	CONN.(")	SPACE REQUIREMENTS (MM) DEPTH	SPACE REQUIREMENTS (MM) WIDTH	SPACE REQUIREMENTS (MM) HEIGHT
121 007 035	newAge FMM 735	0.6	1.0	13	5	1	677	178	1397
121 008 035	newAge FMM 835	0.8	1.3	16	5	1	704	204	1397
121 010 035	newAge FMM 1035	1.0	1.5	21	5	1	757	257	1397
121 010 054	newAge FMM 1054	1.4	2.2	32	10	1	757	257	1885
121 013 054	newAge FMM 1354	2.0	2.9	60	14	1	834	334	1885
121 014 065	newAge FMM 1465	2.7	4.0	73	18	1	869	369	2145
121 016 065	newAge FMM 1665	3.3	5.0	90	20	1	906	406	2148
121 018 065	newAge FMM 1865	4.3	6.5	138	25	1	970	470	2267
121 021 060	newAge FMM 2160	6.0	9.0	171	30	1	1052	552	2245
121 024 069	newAge FMM 2469	7.5	11.3	252	40	1 1/2	1110	610	2495
121 030 072	newAge FMM 3072	11.5	16.0	381	80	1 1/2	1270	770	2520
121 036 072	newAge FMM 3672	16.8	25.5	523	140	2	1427	927	2595
121 036 078	newAge FMM 3678	17.0	25.8	523	140	2	1427	927	2830
121 042 078	newAge FMM 4278	22.5	34.0	730	150	DN 65	1574	1074	2910
121 048 082	newAge FMM 4882	30.0	45.0	900	200	DN 65	1726	1226	2943
121 055 120	newAge FMM 55120	40.0	60.0	1400	500	DN 65	1929	1429	3575

These units filter out suspended solids from water. Particles with dimensions bigger than the screen size of filter media and the diameter of space among the grains are retained. Consequently filtration efficiency can be enhanced through smaller grains size. Multi-layer filter media is used in order to support filter clogging. Backwash can be initiated either manually or automatically.

birm filters – IRON AND MANGANESE REMOVAL

PRODUCT #	MODEL	FLOW RATE (M³/H) NOMINAL	FLOW RATE (M³/H) V=30M/H	FILTER MEDIA (LT) ANTHRACITE	FILTER MEDIA (LT) GRAVEL	FILTER MEDIA (LT) BIRM	CONN.(")	SPACE REQUIREMENTS (MM) DEPTH	SPACE REQUIREMENTS (MM) WIDTH	SPACE REQUIREMENTS (MM) HEIGHT
125 010 054	newAge FIR 1054	1.4	2.2	17	17	6	1	757	257	1885
125 013 054	newAge FIR 1354	2.0	2.9	28	29	10	1	834	334	1885
125 014 065	newAge FIR 1465	2.7	4.0	38	39	15	1	869	369	2145
125 016 065	newAge FIR 1665	3.3	5.0	45	47	18	1	906	406	2148
125 018 065	newAge FIR 1865	4.3	6.5	60	70	20	1	970	470	2267
125 021 060	newAge FIR 2160	6.0	9.0	80	90	30	1	1052	552	2245
125 024 069	newAge FIR 2469	7.5	11.3	110	130	50	1 1/2	1110	610	2495
125 030 072	newAge FIR 3072	11.5	16.0	180	200	80	1 1/2	1270	770	2520
125 036 072	newAge FIR 3672	16.8	25.5	270	280	120	2	1427	927	2595
125 036 078	newAge FIR 3678	17.0	25.8	270	280	120	2	1427	927	2830
125 042 078	newAge FIR 4278	22.5	34.0	360	370	150	DN 65	1574	1074	2910
125 048 082	newAge FIR 4882	30.0	45.0	450	500	200	DN 65	1726	1226	2943
125 055 120	newAge FIR 55120	40.0	60.0	600	900	500	DN 65	1929	1429	3575

Birm is a natural catalytic filter material with highest performance. An example for application of Birm is the removal of iron and manganese from water. Soluble iron and manganese ions are filtered out after flocculation has been implemented. The catalytic filter media contained in a pressure tank converts iron in water into insoluble iron compounds. Subsequently, filtration takes place. This precipitant can easily be flushed up-flow. This way, the media can be re-utilized.

other capacities are available, please contact us

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neoflow

self-cleaning filters

FILTRATION

COMMERCIAL AND INDUSTRIAL SELF-CLEANING FILTERS

for residential, commercial and industrial use

WATER FILTRATION UNITS

neoflow
self-cleaning filters

what is a self-cleaning filter

A self-backwash filter is a an effective and a cost-saving solution mainly used for pre-treatment purposes. It removes the undissolved material with a specific precision up to 85 microns and saves the following water treatment units. They are particularly well suited to treatment of water rich in impurities, sand, rust and other extraneous substances.

how does it work?

This unit is mainly located at the very first stage of the treatment process. It contains a synthetic fibre or a stainless steel filter cartridge inside. That cartridge has different mesh sizes. While the input water passes through that cartridge, the undissolved particles are left on it. To prevent the cartridge to be blocked by those particles, the flow is reversed periodically for short time periods. This reversal may be done either manually or automatically.

characteristics

The main components are the 360 rotating brass head, acetalic resin (brass for high-flow units) housing, unbreakable trogamid bowl, AISI 316 stainless steel or synthetic fibre filter cartridge and the backwash tap or mechanism depending on the model.

why prefer neoflow?

low head loss

Minimum head loss is 0.2 - 0.4 bar depending on the model. (the German Standard)

connection flexibility

You can connect the units either vertically or horizontally to the piping.

no maintenance needed

No ordinary maintanace is needed should the filter is used properly.

high pressure rating

All filters can work up to 10 bar.

micrometric and long-term filtration

The stainless steel or synthetic fibre cartridges for the manual units and stainless steel cartridges with the patented rotor for the semi and full automatic units ensure micrometric and long-term filtration.

easy technical intervention

Any technical intervention is extremely simple and immediate.

high quality

Product quality is ensured by subjecting them to various control and fatigue tests as to German standards.

manual backwash

360 rotating brass head, body in acetalic resin, nylon (MFN series) or stainless steel (MFS) cartridge, transparent shatter-proof trogamid bowl and drain tap (MFN 1X and MFS) or drain cap (MFN 0X). Permeability is 89 microns. Available for residential use.

PRODUCT #	CODE	CONNECTION	MAX.FLOW	HEIGHT	WIDTH	WEIGHT
301.001.003	MFN 03	3/4"	70 l/min	233	108	1,45
301.001.004	MFN 04	1"	100 l/min	233	108	1,48
301.001.012	MFN 12	1/2"	60 l/min	255	124	1,50
301.001.013	MFN 13	3/4"	70 l/min	255	124	1,70
301.001.014	MFN 14	1"	100 l/min	255	124	1,90
301.001.113	MFS 13	3/4"	70 l/min	290	124	1,80
301.001.114	MFS 14	1"	100 l/min	290	124	2,00

semiautomatic backwash

360 rotating brass head, body in acetalic resin, extractable bolts and nuts, stainless steel filtering element with turboclean rotor, transparent shatter-proof trogamid bowl and backwash action.Turboclean device enables perfect water cleaning even for waste waters. Permeability is 89 microns. Call for high flow rate techno series.

301.001.213	SASS 13	3/4"	70 l/min	344	157	2,3
301.001.214	SASS 14	1"	100 l/min	344	167	2,8
301.001.215	SASS 15	1 1/4"	130 l/min	344	167	3,1
301.001.216	SASS 16	1 1/2"	160 l/min	344	167	3,1
301.001.218	SASS18 - Techno	2"	14 m^3/h	455	410	9,5
301.001.220	SASS20 - Techno	2 1/2"	21 m^3/h	455	410	10,5

full automatic backwash

360 rotating brass head, body in acetalic resin, electronic timer, stainless steel filtering element with turboclean rotor, transparent shatter-proof trogamid bowl and backwash action. Turboclean device enables perfect water cleaning even for waste waters. Permeability is 89 microns. Call for high flow rate techno series.

301.001.413	FASS 13	3/4"	70 l/min	500	167	5,2
301.001.414	FASS 14	1"	100 l/min	500	180	5,4
301.001.415	FASS 15	1 1/4"	130 l/min	500	180	5,5
301.001.416	FASS 16	1 1/2"	160 l/min	500	187	6,2
301.001.418	FASS18 - Techno	2"	14 m^3/h	455	450	14,5
301.001.420	FASS20 - Techno	2 1/2"	21 m^3/h	455	450	15,5

semiautomatic backwash - industrial type

Brass body, stainless steel cartridge, cartridge cleaning rotor, flanged fittings except SAS 24. Specifically produced for industrial needs. The precise cleaning system enables elimination of all deposits accumulated in the stainless steel mesh. Permeability is 100 microns.

301.001.224	SASS 24	2"	20 m^3/h	630	345	11,0
301.001.225	SASS 25	2 1/2"	25 m^3/h	630	220	12,0
301.001.226	SASS 26	3"	50 m^3/h	650	235	15,5
301.001.228	SASS 28	4"	60 m^3/h	650	235	15,5

full automatic backwash - industrial type

Brass body, stainless steel cartridge, automatic electronic control unit, cartridge cleaning rotor, flanged fittings except FAS 24. This filter has the ability to automatically backwash either time-dependent or pressure-dependent. Permeability is 100 microns.

301.001.424	FASS 24	2"	20 m^3/h	735	345	13,4
301.001.425	FASS 25	2 1/2"	25 m^3/h	735	220	14,5
301.001.426	FASS 26	3"	50 m^3/h	735	330	25,0
301.001.428	FASS 28	4"	60 m^3/h	735	330	25,0

ask for models with pressure reducers!

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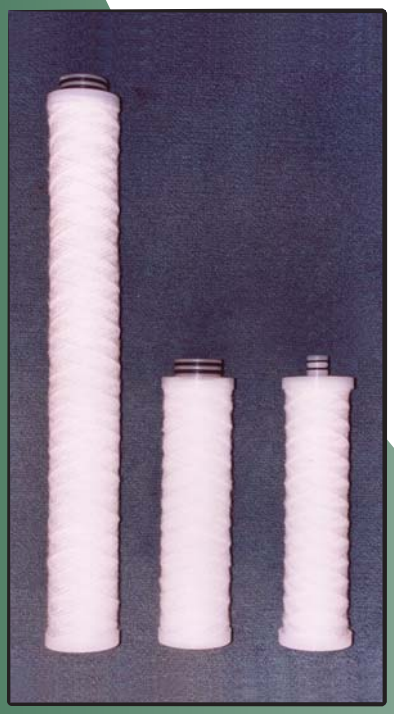
neoflow
filter cartridges

FILTRATION

POLYPROPYLENE WOUND FILTER CARTRIDGES
0.5 - 100 MICRONS
5 - 40 INCHES



for residential, commercial and industrial use
WATER FILTRATION CARTRIDGES

neoflow
filter cartridges

why prefer neoflow?

IF WE SAY IT IS 1 MICRON, IT IS EXACTLY 1 MICRON!

Here are the neoflow wound filter cartridges. You needn't purchase other filter cartridges that may not claim that their exact micron rating.

neoflow PP series cartridges are made in wound polypropylene, both the filter core and the fibre is made of PP. The material used for production of neoflow filter cartridges fully comply with the regulations for food and drinking water.

The polypropylene fiber and the specially designed winding system allow us to produce scientifically proven filters that can retain the highest sized particles in the surface and the the smaller ones in the inside.

Our technology and our special fiber let our filters to operate with a low pressure drop.

applications

These units are mainly used for sediment removal. Depending on the water flow rate and the size of the sediments in the water, alternative sizes and micron ratings should be preferred.

Main applications are; pretreatment and security filters for desalination systems (mainly reverse osmosis), medical industry, power plants, dialysis systems, petrochemical industry.

dimensions

Internal Diameter : 28 mm
External Diameter : 50 to 110 mm depending on the model. (Economic, Standard, Extra, BigBlue-Eco, BigBlue)
Height : 5", 10", 20", 30", 40"

cartridges with caps and o-rings

neoflow offers you special cartridges with end-caps and o-rings for special applications. Please call for different models.

customization

We can deliver you customized units with different sizes and micron ratings. Please contact us for alternatives.

ORDERING

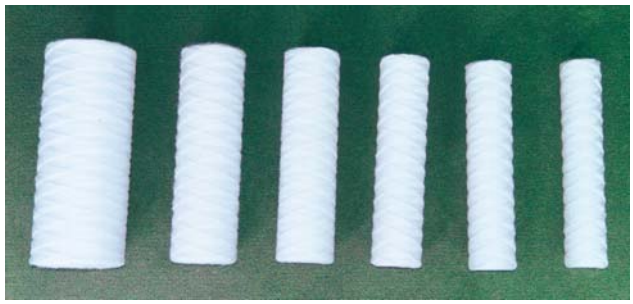
Filter type
0: with no cap
1: with large cap
2: with narrow cap

External Diameter
50 - 110 mm

4 [ ] [ ] [ ] [ ]

Height
05: 5 inch
10: 10 inch
20: 20 inch
30: 30 inch
40: 40 inch

Pore Size
00: 0.5 micron
01: 1 micron
05: 5 micron
10: 10 micron
25: 25 micron
50: 50 micron
99: 100 micron



Filters with different diameters (50 - 110 mm)

Example: For a 10" filter with 5 micron rating 63 mm external diameter with no cap, call for 4 0 10 25 063

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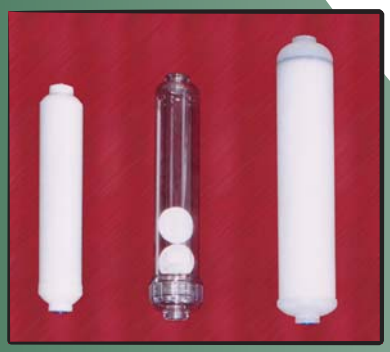
neoflow
filter cartridges

FILTRATION

FILTER CARTRIDGES
SPUN FILTERS
PLEATED POLYESTER FILTERS
GRANULATED ACTIVATED CARBON FILTERS
CARBON BLOCK FILTERS
SOFTENING CARTRIDGES
DEIONIZATION CARTRIDGES



for residential and commercial use
WATER FILTRATION CARTRIDGES

neoflow
filter cartridges

spun PP cartridges

Product #	Height	Pore Size	Inner Diameter	Outer Diameter
501 005 100	10″	5 µ	28 mm	62 mm
501 005 200	10″	5 µ	28 mm	62 mm
501 005 300	10″	5 µ	28 mm	62 mm
501 005 400	10″	5 µ	28 mm	62 mm

* For other pore sizes, change the fifth and sixth digits according to the relevant micron when ordering.
* For spun filters with caps exchange the last digit for 1, and for narrow cap exchange it for 2.

pleated polyester cartridges

Product #	Height	Pore Size	Inner Diameter	Outer Diameter
502 030 100	10″	30 µ	28 mm	63 mm
502 030 200	20″	30 µ	28 mm	63 mm

* For other pore sizes, change the fifth and sixth digits according to the relevant micron when ordering.

carbon block cartridges

Product #	Height	Pore Size	Inner Diameter	Outer Diameter
503 005 100	10″	5 µ	28 mm	66 mm
503 005 200	20″	5 µ	28 mm	66 mm

GAC/KDF filter cartridges

Product #	Height	Inner Diameter	Outer Diameter
503 000 100	10″	28 mm	63 mm
503 000 200	20″	28 mm	63 mm

* For silver impregnated GAC filters change the fourth digit to 1, for KDF filters change it to 2.

softening cartridges

Product #	Height	Inner Diameter	Outer Diameter
504 000 100	10″	28 mm	63 mm
504 000 200	20″	28 mm	63 mm

* For polyphosphate filled water conditioning cartridges change the fourth digit to 1.

mixed-bed deionization cartridges

Product #	Height	Inner Diameter	Outer Diameter
505 000 100	10″	28 mm	63 mm
505 000 200	20″	28 mm	63 mm

inline filters

Product #	Media
511 300 000	GAC
511 310 000	Silver impregnated GAC
511 320 000	KDF
511 400 000	Softening Resin
511 500 000	Mixed-bed resin

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neoflow
filter housings

FILTRATION

WATER FILTER HOUSINGS

for residential, commercial and industrial use

WATER FILTRATION CARTRIDGES

neoflow
filter housings

Following is the list of neoflow filter housings available.

Product #	Height	Connection	Sump Color	Cap Color	Brass Insert
491.111.010	10"	1/4"	White	White	None
491.111.020	10"	3/8"	White	White	None
491.111.030	10"	1/2"	White	White	None
491.102.030	10"	1/2"	Transparent	Blue	None
491.102.040	10"	3/4"	Transparent	Blue	None
491.102.041	10"	3/4"	Transparent	Blue	Available
491.123.020	10"	3/8"	Blue	Black	None
491.123.030	10"	1/2"	Blue	Black	None
491.123.040	10"	3/4"	Blue	Black	None
491.123.041	10"	3/4"	Blue	Black	Available
491.202.030	20″	1/2"	Transparent	Blue	None
491.202.040	20″	3/4"	Transparent	Blue	None
491.202.041	20″	3/4"	Transparent	Blue	Available
491.223.020	20″	3/8"	Blue	Black	None
491.223.030	20″	1/2"	Blue	Black	None
491.223.040	20″	3/4"	Blue	Black	None
491.223.041	20″	3/4"	Blue	Black	Available
491.222.020	20″	3/8"	Blue	Blue	None
491.222.030	20″	1/2"	Blue	Blue	None
491.222.040	20″	3/4"	Blue	Blue	None
491.222.041	20″	3/4"	Blue	Blue	Available

* Pressure Resistance up to 6,5 bar

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newAge
saturn

STERILIZATION

ULTRAVIOLET WATER STERILIZATION UNITS

for residential, commercial and industrial use

WATER STERILIZATON SYSTEMS

STERILIZATION

about UV

Ultraviolet systems are used for the disinfection of private or municipal drinking water supplies. A single lamp placed through the center of the unit, succeeds to remove the bacteria and viruses. The rays radiated at a specific wavelength stops bacterial and virutic activity.

advantages

* Simple operation and easy maintanence
* Simple and effective treatment process
* No chemicals needed
* No effect on water taste, color or odor
* Low investment and operating costs

PRODUCT #	MODEL	CAPACITY (M^3/H)	POWER REQ. (W/H)	CONNECTION (")
141 000 500	newAge SAR 5	0.5	14	3/8
141 001 500	newAge SAR 15	1.5	21	3/4
141 003 000	newAge SAR 30	3.0	41	3/4
141 005 000	newAge SAR 50	5.0	65	1
141 010 000	newAge SAR 100	10	130	1 1/2
141 015 000	newAge SAR 150	15	195	1 1/2
141 020 000	newAge SAR 200	20	260	2
141 025 000	newAge SAR 250	25	325	2
141 030 000	newAge SAR 300	30	390	2 1/2
141 040 000	newAge SAR 400	40	520	3
141 050 000	newAge SAR 500	50	650	3
141 060 000	newAge SAR 600	60	780	4
141 080 000	newAge SAR 800	80	1040	4
141 100 000	newAge SAR 1000	100	1300	4

new generation lila series

advantages of lila series

* Stands up on the floor, no need to mount it onto the wall or some other supporting stuff.
* Extraordinary and attractive design.
* Can be used as a multi-purpose treatment unit with UV. (e.g. UV & activated carbon)*

PRODUCT #	MODEL	CAPACITY (M^3/H)	POWER REQ. (W/H)	CONNECTION (")
142 001 500	newAge SAL 15	1.5	21	3/4
142 003 000	newAge SAL 30	3.0	41	3/4
142 005 000	newAge SAL 50	5.0	65	1

* For multi-purpose versions of Sterillila, please call your vendor.

Operating information for all newAge Saturn systems
Operating Pressure: 2,5 - 7,0 bar
Lamp Life

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newAge
DI
MAN

DEIONIZATION

NEW GENERATION
MANUAL DEIONIZATION UNITS
FOR SMALL-SIZE APPLICATIONS

for laboratory and commercial use

DEIONIZED WATER PRODUCTION SYSTEMS

DEIONIZATION

newAge DI MAN

about

Mertas DIM Series manual separate-bed pure water units produce the high quality pure water with the measured conductivity between 0,5 - 1µS/cm. Made with high quality ion exchangers and pressure resistant non-corrosive vessels.

These units produce high quality pure water for years, with no need to replace the original ion exchanger, since the ion exchanger can be regenerated easily with the relevant chemicals to be placed into the anion and cation tanks.

Either the low investment cash outflow or the low operating costs make this unique product fairly attractive. Many installed units have been working all around Turkey efficiently and problem-free.

Our standard units are capacitated from 400 liters to 5000 liters between two regenerations. Higher capacity or customized units are available on request.

standardequipment

This new generation ready-to-connect unit has the following parts constructed on a stainless steel frame: Service/regeneration valves, Drain valve, Open/shut off valve, PE chemical tanks both for anion and cation, Purity measurement device

applications

- Laboratories
- Water production for batteries
- etc.

CHECK THE DIFFERENCE!

The conventional deionization units do not let you have a convenient regeneration cycle:

You had to;

- Screw in and out caps of all columns.
- Connect and disconnect the hoses.
- Memorize a complex procedure.
- Spend too much time.

You were prone to;

- Risk of getting in touch with abrasive chemicals like acids.
- Injuries and wounds.

The newAge DI MAN lets you easily regenerate the unit in a very short time and continue receiving pure water.

Now, all you have to do is to turn on and off a few valves. The chemicals are directly poured to boxes, there is no risk of getting in touch with acids, be exposed to wounds and injuries.

You have the alternatives to montior water quality digitally or analog.

It is very very easy-to-operate and very cost-effective.

PRODUCT #	MODEL	CAPACITY (L/REG.)*	FLOW RATE (L/H)	QUALITY MONITOR
201.000.402	newAge DIM 402	400	30	TDSmeter
201.000.403	newAge DIM 403	400	30	Conductivitymeter
201.000.602	newAge DIM 602	600	50	TDSmeter
201.000.603	newAge DIM 603	600	50	Conductivitymeter
201.001.002	newAge DIM 1002	1000	75	TDSmeter
201.001.003	newAge DIM 1003	1000	75	Conductivitymeter
201.001.502	newAge DIM 1502	1500	125	TDSmeter
201.001.503	newAge DIM 1503	1500	125	Conductivitymeter
201.002.002	newAge DIM 2002	2000	150	TDSmeter
201.002.003	newAge DIM 2003	2000	150	Conductivitymeter
201.002.502	newAge DIM 2502	2500	175	TDSmeter
201.002.503	newAge DIM 2503	2500	175	Conductivitymeter
201.003.002	newAge DIM 3002	3000	200	TDSmeter
201.003.003	newAge DIM 3003	3000	200	Conductivitymeter
201.003.502	newAge DIM 3502	3500	250	TDSmeter
201.003.503	newAge DIM 3503	3500	250	Conductivitymeter
201.004.002	newAge DIM 4002	4000	300	TDSmeter
201.004.003	newAge DIM 4003	4000	300	Conductivitymeter
201.004.502	newAge DIM 4502	4500	350	TDSmeter
201.004.503	newAge DIM 4502	4500	350	Conductivitymeter
201.005.002	newAge DIM 5002	5000	350	TDSmeter
201.005.003	newAge DIM 5003	5000	350	Conductivitymeter

* Above capacities are calculated for the feed water possessing the following properties: No iron content, 18 Fr° total hardness, 200 µS/cm conductivity. The above mentioned capacities may differ due to the differring water quality.

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P.S.
The first dialysis water purification system in Turkey was installed by Mertas in 1979

newAge osmotica DIA

MEDICAL TREATMENT

MOBILE AND FIXED WATER PURIFICATION SYSTEMS FOR HEMODIALYSIS

for medical use
WATER PURIFICATION SYSTEMS

MEDICAL TREATMENT

newAge osmotica DIA

reverseosmosis

The enviromentally friendly technology for desalination of tap water, process water, well water, brackish water and sea water.

newAge Osmotica Dia is the representative of state-of-the-art of the reverse osmosis systems for dialysis. This series is the product of Mertas Water Technology's engineers, **the first company to install a dialysis water purification system in Turkey in 1979.**

hemodialysis

As technology advances, new cures are found for various illnesses of mankind. Dialysis machines, which may be referred as external artificial kidneys for patients who suffer from not working kidneys. However this technology requires a specially treated water, since this water gets in touch with the blood of the patient. This matter is the specialization area of Mertas Water Technology, who has been installing such systems, which offers life!

whyisitcritical?

A healthy person's body does not let the bacteria in the water to pass to the blood, unless they are absorbed at the gastrointestinal zone. However the content of the dialysis liquid may directly enter the patient's blood since the dialyser's membrane is not selective like the human body itself.

Thus, the human body is seriously vulnerable to the content of the water during dialysis process, therefore to keep them safe, such special water with very low chemical and microbiological content should be provided for dialysis.

pretreatment

To keep your reverse osmosis safe, and ensure longterm fine operation of it, necessary pretreatment should be seriously applied. Full automatic sediment filter, full automatic activated carbon filter and full automatic duplex softener is installed by default. Such special filters, like iron removal filter, are applied depending on the feed water quality. To the outlet of the system a UV sterilization unit is placed to ensure that the product water is free of bacterial or virutic contamination.

The output is fully compliant to **AAMI standards**.

programmingalternatives*

⇒ Automatic stopping of the system providing critical values are off.
⇒ Password authorization for preventing unauthorized access
⇒ Have the system stop in a short time in case of inadequate pressure
⇒ Setting critical values for conductivity
⇒ Have the discontinious rinsing done when the tank is full
⇒ Setting the concentrate washing interval
⇒ Setting the types of problems to be declared
⇒ Viewing the settings and outcomes through the LCD screen
⇒ And much more...

*Available ODM-P and OD-P series.

standardfeatures

Full automatic PLC Control, Digital control panel with many programming alternatives*, Digital conductivitymeter with temperature compensation, Digital thermometer*, Digital controls to keep water quality within a certain range, 1 set of manometers, SS-304 stainless steel frame, Stainless Steel High Pressure Pump**, Dry protection equipment for water starving pump, Series of regulating valves, 10" special prefilter, Chemical membrane cleaning, Chemical membrane rinse, Special front table, PVC membrane housings, Hydranautics high performance membranes, Automatic pressure control, Pressure regulating valve, Concentrate regulating valve, Solenoid valve, Flowmeters for permeate, concentrate and concentrate recirculation***, Digital follow-up of every operation*, %65-80 recovery, min %98 rejection

*Not available for OD-E and ODM-E series.**For mobile units and OD-E Series, a rotary pump is applied. *** For ODM-E and OD-E Series, only permeate flowmeter is available.

PRODUCT #	MODEL	CAPACITY (L/H)	CAPACITY (BED)	ELEMENT TYPE	# OF ELEMENTS
179 000 001	newAge ODM-E 1*	45-50	1	ESPA1 2521	1
179 000 002	newAge ODM-E 2*	90-100	2	ESPA1 2540	1
179 001 001	newAge ODM-P 1*	45-50	1	ESPA1 2521	1
179 001 002	newAge ODM-P 2*	90-100	2	ESPA1 2540	1
179 000 005	newAge OD-E 5	225-250	5	ESPA1 4040	1
179 000 010	newAge OD-E 10	450-500	10	ESPA1 4040	2
179 000 020	newAge OD-E 20	900-1000	20	ESPA4 4040	3
179 001 005	newAge OD-P 5	225-250	5	ESPA1 4040	1
179 001 010	newAge OD-P 10	450-500	10	ESPA1 4040	2
179 001 020	newAge OD-P 20	900-1000	20	ESPA4 4040	3
179 001 030	newAge OD-P 30	1350-1500	30	ESPA1 4040	6
179 001 040	newAge OD-P 40	1800-2000	40	ESPA4 4040	6
179 001 050	newAge OD-P 50	2250-2500	50	ESPA1 4040	10
179 001 060	newAge OD-P 60	2700-3000	60	ESPA4 4040	10

*The pretreatment units are embedded within this compact mobile(you can move it easily on its wheels) unit.

encasedciaplus

newAge Osmotica Dia Plus series are also available placed in a charming cabinet (Standard for mobile models, optional for other models). It stays as if a furniture and can be moved easily on demand. For ordering change the fifth digit of the standard unit's product number to 1. For example to order encased version of newAge OD-P 20, call for 179 011 020. Encased systems may serve up to 30 beds.

optional

optional printer

Stainless Steel/Fiberglass Pressure Vessels
Conductivity metering of inlet water
Printer

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ISO 9001:2000

Water Quality Association MEMBER

since 1975 ten beri

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MEDICAL TREATMENT

newAge lab PURE

PURE WATER SYSTEMS FOR LABORATORIES
PRE-AUTOANALYZER UNIT

for medical use

WATER PURIFICATION SYSTEMS

MEDICAL TREATMENT

newAge lab PURE

about

- Ready-to-connect water purification system for the desalting of hardness-stabilized tap water.
- The system is mobilized and can be moved to another place by just pushing it.
- The system is easily coneected to the feeder.
- PL control with digital conductivity meter and individually adjustable limiting conductivity for purified water.
- May include storage tanks with 25 or 50 liters on demand.
- Hardness stabilization is optional.

applications

This unit serves the small volume high quality water needs. It is mobile. Therefore it used where such needs arise, i.e.

Research laboratories of universities and industry, analysis labs of hospitals and medical centers, etc.

outputquality

0.1 - 1 microsiemens/cm

Particle removal rate 99%

programmingalternatives

- System stops automatically should the quality product water is out of user-set range
- Password authorization for preventing unauthorized access
- Keep the system components under control
- User control for setting the safe range.
- Offers the option to which problems are to be reported.
- Viewing the settings and outcomes through the LCD screen
- And much more...

	newAge LP 10	newAge LP 20	newAge LP 40	newAge LP 80	newAge LP 120
Capacity (l/h)*	10	20	40	80	120
Output quality (µS/cm)*	0.1 -1	0.1 -1	0.1 - 1	0.1 - 1	0.1 - 1
Inorganic removal rate	99%	99%	99%	99%	99%
Organic removal rate	99%	99%	99%	99%	99%
Operating Pressure (bar)	2 - 6	2 - 6	2 - 6	2 - 6	2 - 6
Power (kW)	0.1	0.1	0.1	0.1	0.1
Voltage (V/Hz)	230/50	230/50	230/50	230/50	230/50
Height (cm)	100	100	100	100	100
Width (cm)	40	40	40	40	40
Depth (cm)	40	40	40	40	40
Product #	251 001 010	251 001 020	251 001 040	251 001 080	251 001 120

* Depends on feed water quality.

optional

- PC Connection
- Printer

optional printer

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LAB TREATMENT

newAge lab COMBI

NO. 1 CHOICE FOR AUTOANALYZERS

EVERYTHING INSIDE!

COMBINED PURE WATER SYSTEMS FOR AUTOANALYZERS

for laboratory and medical use

WATER PURIFICATION SYSTEMS

LAB TREATMENT

newAge lab COMBI

about

- Ready-to-connect water purification system for the desalting of hardness-stabilized tap water.
- The system is mobilized and can be moved to another place by just pushing it.
- The system is easily connected to the feeder.
- PL control with digital conductivity meter and individually adjustable limiting conductivity for purified water.
- Includes built-in stainless steel brine and storage tanks.

applications

This unit serves the autoanalyzers' high purity water demand. It is mobile. Therefore it is used where such needs arise, i.e.

Research laboratories of universities, analysis labs of hospitals and medical centers, etc.

outputquality

0.1 - 1 microsiemens/cm

Particle removal rate 99%

programmingalternatives

- System stops automatically should the quality product water is out of user-set range
- Password authorization for preventing unauthorized access
- Keep the system components under control
- User control for setting the safe range.
- Offers the option to which problems are to be reported.
- Viewing the settings and outcomes through the LCD screen
- And much more...

standardfeatures

Full automatic PLC Control, Digital control panel with many programming alternatives, Digital conductivitymeter with temperature compensation, Digital thermometer, Digital controls to keep water quality within a certain range, 1 set of manometers, SS-304 stainless steel frame, Stainless Steel High Pressure Pump, Dry protection equipment for water starving pump, Series of regulating valve, charming case, Automatic pressure control, Pressure regulating valve, Concentrate regulating valve, Solenoid valve, Digital follow-up of every operation, %50-80 recovery, min %98 rejection, neoflow 10" special prefilter, activated carbon filter, full automatic softener with stainless steel brine tank, PVC membrane housings, Hydranautics high performance membranes, DI unit, stainless steel water storage tank (100 l), transfer pump, UV sterilization unit.

	newAge LPC 50	newAge LPC 100	newAge LPC 200	newAge LPC 300	newAge LPC 400
Capacity (l/h)*	50	100	200	300	400
Output quality (µS/cm)*	0.1 -1	0.1 -1	0.1 - 1	0.1 - 1	0.1 - 1
Inorganic removal rate	99%	99%	99%	99%	99%
Organic removal rate	99%	99%	99%	99%	99%
Operating Pressure (bar)	2 - 6	2 - 6	2 - 6	2 - 6	2 - 6
Power (kW)	0.37	0.37	0.37	0.55	0.55
Voltage (V/Hz)	230/50	230/50	230/50	230/50	230/50
Height (cm)	130	130	130	130	130
Width (cm)	66	66	66	66	66
Depth (cm)	64	64	64	64	64
Product #	253 00 0050	253 00 0100	253 00 0200	253 00 0300	253 00 0400

* Depends on feed water quality.

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UPW AND MIXED BED

newAge lab

LAB TREATMENT

LOW CAPACITY HIGH PURITY SYSTEMS FOR LABORATORIES
MIXED-BED UNITS
MANUAL ULTRA PURE WATER UNITS
AUTOMATIC ULTRA PURE WATER UNITS

for medical use
WATER PURIFICATION SYSTEMS

LAB TREATMENT

PURIFIERS FOR LABORATORY APPLICATIONS

Pure water is the critical element for running an accurate analysis. To do this we offer you different alternatives for possible different needs. For our other products for laboratories and medical demand please check other newAge products.

MIXEDBED ION EXCHANGERS --newAge LAB MB

Mertas has developed new water demineralizers made of very charming fiberglass cartridges, pressure resistant and of high capacity. For water amounts from 100 l/h - 1000 l/h.

Produce your own high-purity water, simple, less expensive, and only the amounts you need! For laboratories, for doctor's and dentist's practices!

Mertas can also, replace your exhausted ion exchange resins with the world class brands.

The newAge LAB MB demineralizer offers the following major benefits:

- Economy
- Quality
- High capacity
- Cleaner Instruments
- Accurate Monitoring

	newAge MB 10	newAge MB 20	newAge MB 30	newAge MB 45	newAge MB 60	newAge MB 100
Capacity*	1000 l	2000 l	3000 l	4500 l	6000 l	10000 l
Max. Flow Rate	300 l/h	500 l/h	300 l/h	300 l/h	300 l/h	300 l/h
Operating Pressure	1,5 - 6 bar	1,5 - 6 bar	1,5 - 6 bar	1,5 - 6 bar	1,5 - 6 bar	1,5 - 6 bar
Water Temperature	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C
Product #	249 000 010	249 000 020	249 000 030	249 000 045	249 000 060	249 000 100

MANUAL ULTRAPUREWATER UNITS --newAge LAB UPW I

Ready-to-connect Ultra Pure Water System, specifically developed for the functional and cost-favourable production of high purity water, where very small amounts of ultra pure water is needed.

Simple Design will attract you, whereas affordable price lets even the smallest laboratories to own a UPW producer.

	newAge LAB UPW I
Output Water Quality	18,3 megohm
Max. Flow Rate	1,5 l/min.
Operating Pressure	1,5 - 6 bar
Water Temperature	40 °C
Product #	241 000 000

AUTOMATIC ULTRAPUREWATER UNITS -- TKA LAB UPW

Ready-to-connect Ultra Pure Water System, specifically developed for the functional and cost-favourable production of high purity water. Because of the advanced modular treatment steps (reverse osmosis, deionization, adsorption and UV photo-oxidation), TKA LAB-UPW produces a water of a purity which exceeds even the highest quality standards such as distilled or bi-distilled water.

The system can be installed either as bench-top or wallmounted unit. Microprocessor with digital conductivity meter and individually adjustable limiting conductivity for feedwater and purified water. Storage tanks with 25 or 50 liters as wall-mounted unit are available on inquiry.

	TKA LAB UPW 3	TKA LAB UPW 6	TKA LAB UPW 10	TKA LAB UPW 15
Capacity (l/h)* (at 15 °C)	3	6	10	15
Power (kW)	0,10	0,10	0,10	0,10
Voltage (V/Hz)	115/60 or 230/50	115/60 or 230/50	115/60 or 230/50	115/60 or 230/50
Min. - Max. Inlet Pressure	2 - 6 bar	2 - 6 bar	2 - 6 bar	2 - 6 bar
Pure Water Quality (MW-cm)	10 - 16,6	10 - 16,6	10 - 16,6	10 - 16,6
Rejection Bacteria - Particles	99%	99%	99%	99%
TOC value**	50 ppb	50 ppb	50 ppb	50 ppb
Height (mm)	650	650	650	650
Width (mm)	350	350	350	350
Depth (mm)	300	300	300	300
Product #	243 000 003	243 000 006	243 000 010	243 000 015

* Depends on feed water quality.

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